FORM PTO-1995 REC  REC 1002  Docket No.: 062758-0116  To the Honorable Commissioner for Patents 1  1. Name of Conveying Party(ics):  Micko ISHII, Takeshi HARADA, Youichi NOUE, and Kenchi ITO  Additional name(s) of conveying party(ies) attached?	9/20/1	23-2005
To the Honorable Commissioner for Patents:   To To Honorable Commissioner for Patents:   To To Honorable Commissioner for Patents:	FORM PTO-1595 REC	U.S. DEPARTMENT OF COMMERCE
To the Honorable Commissioner for Patents:   103087409		
1. Name of Conveying Party(ies):  Micko ISHII, Takeshi HARADA, Youichi INOUE, and Kenchi ITO  Additional name(s) of conveying party(ies) attached?		
Additional name(s) of conveying party(ies) attached?	1. Name of Conveying Party(ies):	2. Name and address of receiving party(ies):
Additional name(s) of conveying party(ies) attached?	Mieko ISHII, Takeshi HARADA, Youichi INOUE, and Kenchi ITO	Name: HITACHI, LTD.
3. Nature of Conveyance:    Assignment		Address: 6-6 Marunouchi 1-chome, Chiyoda-ku,
Additional numbers attached? SEP 2 0 2005    Security Agreement	Additional name(s) of conveying party(ies) attached?   Yes   No	Tokyo, JAPAN
Security Agreement	3. Nature of Conveyance:	OIPE 4
Other   June 17; June 17; June 17, June 18, Zune 18, Zune 19, Z		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Execution Date:	☐ Security Agreement ☐ Change of Name	SEP 2 0 2005
Additional name(s) & address(es) attached?  \[ Yes \in No \]  4. Application number(s) or patent number(s):  If the document is being filed together with a new application, the execution date of the application is:  A. Patent Application No(s).  B. Patent No(s).    11/170,085, filed June 30, 2005	☐ Other \	<b>₹</b>
Additional name(s) & address(es) attached?  \[ Yes \in No \]  4. Application number(s) or patent number(s):  If the document is being filed together with a new application, the execution date of the application is:  A. Patent Application No(s).  B. Patent No(s).    11/170,085, filed June 30, 2005		FRABBANGS
4. Application number(s) or patent number(s):  If the document is being filed together with a new application, the execution date of the application is:  A. Patent Application No(s).  B. Patent No(s).    Additional numbers attached?	Execution Date: (respectively)	
If the document is being filed together with a new application, the execution date of the application is:  A. Patent Application No(s).  11/170,085, filed June 30, 2005  Additional numbers attached?  Yes No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: MCDERMOTT WILL & EMERY LLP Internal Address:	4. Application number(s) or notant number(s):	Additional name(s) & address(es) attached?   Tes No
A. Patent Application No(s).  11/170,085, filed June 30, 2005  Additional numbers attached?  Yes  No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: MCDERMOTT WILL & EMERY LLP Internal Address:		execution data of the application is:
Additional numbers attached?  \[ Yes \in No  5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP Internal Address:  Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Additional numbers attached?  \[ Yes \in No  6. Total number of applications and patents involved:  1  7. Total fee (37 CFR 3.41) \$40.00    \[ \$40.00 \]  Substitute Enclosed    \[ \$0. Deposit account number: \$500417  South Total number:  South Total fee (37 CFR 3.41) \$40.00    \[ \$0. Total fee (37 CFR 3.41) \$40.00    \[ \$0. Deposit account number: \$500417  South Total number:  South Total fee (37 CFR 3.41) \$40.00    \[ \$0. Total fee (37 CFR 3.41) \$40.00		
Additional numbers attached?		B. Tatelli No(s).
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: MCDERMOTT WILL & EMERY LLP Internal Address:  Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Signature Date  Total number of applications and patents involved:  7. Total fee (37 CFR 3.41) \$40.00  Authorized to be charged to deposit account 8. Deposit account number:  500417  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  September 20, 2005  Name and Registration No. of Person Signing  Signature Date  Total number of applications and patents involved:  1	11/1/0,085, filed Julie 50, 2005	
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: MCDERMOTT WILL & EMERY LLP Internal Address:  Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Signature  Total number of applications and patents involved:  7. Total fee (37 CFR 3.41) \$40.00  Authorized to be charged to deposit account source to be charged to deposit account number:  500417  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  September 20, 2005  Name and Registration No. of Person Signing  Signature  Date  Total number of applications and patents involved:  1. Total number of applications and patents involved:  \$\frac{1}{2}  \$\text{ \$\t		
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: MCDERMOTT WILL & EMERY LLP Internal Address:  Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Signature  Total number of applications and patents involved:  7. Total fee (37 CFR 3.41) \$40.00  Authorized to be charged to deposit account source to be charged to deposit account number:  500417  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  September 20, 2005  Name and Registration No. of Person Signing  Signature  Date  Total number of applications and patents involved:  1. Total number of applications and patents involved:  \$\frac{1}{2}  \$\text{ \$\t	Additional acceptance	Lan Dya My
concerning document should be mailed:  Name: MCDERMOTT WILL & EMERY LLP Internal Address:  Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Total number of pages including cover sheet: 2		
Name: MCDERMOTT WILL & EMERY LLP Internal Address:  Street Address:  Street Address:  Good 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Signature  Total number of pages including cover sheet: 2		6. I otal number of applications and patents involved:
Internal Address: ☐ Enclosed	_	T. T. 16 (27 CPP 2.41)
Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Signature  Total number of pages including cover sheet: 2		· '
Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Keith E. George, Registration No. 34,111  September 20, 2005  Name and Registration No. of Person Signing  Total number of pages including cover sheet: 2	Internal Address:	
City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Total number of pages including cover sheet: 2	G	
City: Washington State: D. C. Zip: 20005-3096  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  September 20, 2005  Name and Registration No. of Person Signing  Total number of pages including cover sheet: 2	Street Address: 600 13th Street, N.W.	· ·
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Total number of pages including cover sheet: 2		500417
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Total number of pages including cover sheet: 2	City: Washington State: D. C. Zip: 20005-3096	
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  September 20, 2005  Name and Registration No. of Person Signing  Total number of pages including cover sheet: 2	DO NOT LISE T	L CDACE
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Total number of pages including cover sheet: 2		HIS STACE
Name and Registration No. of Person Signing  No. of Person Signing  Total number of pages including cover sheet: 2		matical in target and a consent and a superior of the state of the sta
Keith E. George, Registration No. 34,111  Name and Registration No. of Person Signing  Signature  Total number of pages including cover sheet: 2		ution is true and correct and any attached copy is a true copy
Name and Registration No. of Person Signing  Signature  Total number of pages including cover sheet: 2	ој те онута аоситет.	
Name and Registration No. of Person Signing  Signature  Total number of pages including cover sheet:  2	Waith E. Goorge Registration No. 34 111	#5/2
Total number of pages including cover sheet: 2		
UMB No. 0651-0027 (exp. 6/30/2005)		otal number of pages including cover sheet: 2
	OMB No. 0651-0027 (exp. 6/30/2005)	
9/22/2005 DBYRNE00000130 500417 11170085	09/22/2005 DBYRNE	

(40.00 DA)

01 FC:8021

PATENT REEL: 017001 FRAME: 0903

## **ASSIGNMENT**

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

## RECORDING / REPRODUCING APPARATUS

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

RECORDED: 09/20/2005

(発明者フルネームサイン)	(署名日)
1) mieko Sshii	6/17/05
2)Takeshi Harada	6/17/05
3) Youichi Inoue	6/17/05
3) Youishi Inoue 4) Kerely D	6/28/05
5)	
6)	
7)	
8)	
9)	
0)	

PATENT REEL: 017001 FRAME: 0904